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		Application Number	10/614,807
		Filing Date	July 9, 2003
		First Named Inventor	Wuwen Yi et al.
		Art Unit	1773
		Examiner Name	Unknown
Total Number of Pages in This Submission		Attorney Docket Number	30-5004(4015) CP

## ENCLOSURES (Check all that apply)

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## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Jennifer J. Taylor, Ph.D., Reg. No. 48,711; Wells St. John P.S.
Signature	
Date	August 24, 2004

## CERTIFICATE OF TRANSMISSION/MAILING

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EV372459783



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. .... 10/614,807  
Filing Date ..... July 9, 2003  
Inventor ..... Vladimir Segal et al.  
Assignee ..... Honeywell International Inc.  
Group Art Unit ..... 1773  
Examiner ..... Unknown  
Attorney's Docket No. .... 30-5004-CIP  
Title: Copper Sputtering Targets and Methods of Forming Copper Sputtering Targets

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

The attached form PTO-1449 is submitted in compliance with 37 CFR § 1.56. Copies of the cited art are included. No admission is made regarding whether all the submitted references are prior art.

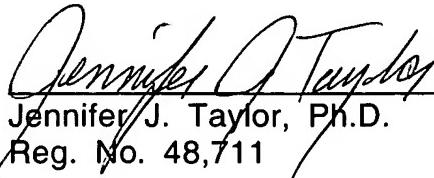
This Information Disclosure Statement is being filed within three months of the filing date of the application or before the mailing of a first Office Action, whichever occurs last. Therefore, no fee is believed to be required. However, in the event that a fee is required for filing this information disclosure statement, please charge the fee specified under 37 C.F.R. §1.17(p) to Deposit Account No. 23-0925. Please credit Deposit Account No. 23-0925 with any overpayment of the above fee.

Respectfully submitted,

Dated:

August 24, 2004

By:

  
Jennifer J. Taylor, Ph.D.  
Reg. No. 48,711

<b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b> <b>LIST OF ART CITED BY APPLICANT</b> <small>(Use several sheets if necessary)</small>					ATTY. DOCKET NO. 30-5004CIP		SERIAL NO. 10/614,807	
					APPLICANT Wuwen Yi et al.			
					FILING DATE July 9, 2003		GROUP 1773	
U.S. PATENT DOCUMENTS								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA							
	AB							
	AC							
	AD							
	AE							
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
	AF						Yes	No
	AG							
	AH							
	AI							
	AJ							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AK		F. J. Humphreys et al., "Developing stable fine-grain microstructures by large strain deformation", Phil. Trans. R. Soc. Lond. A, June 15, 1999, Vol. 357 #1756, pp. 1663-1681.					
	AL		S. Ferrasse et al., "Texture evolution during equal channel angular extrusion Part I. Effect of route, number of passes and initial texture", Materials Science and Engineering, Vol. 368, March 15, 2004, pp. 28-40.					
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	AS		M. Furukawa et al., "Microhardness Measurements and the Hall-Petch Relationship in an Al-Mg Alloy with Submicrometer Grain Size", Acta Mater. Vol. 44, No. 11, pp. 4619-4629, 1996.					
	AT		Yoshinori Iwahashi et al., "Microstructural Characteristics of Ultrafine-Grained Aluminum Produced Using Equal-Channel Angular Pressing", Metallurgical and Materials Transactions, Vol. 29A, pp. 2245-2252, September 1998.					
EXAMINER		DATE CONSIDERED						
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>								

EV372459783

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	AA							
	AB							
	AC							
	AD							
	AE							
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
	AF						Yes	No
	AG							
	AH							
	AI							
	AJ							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AK		S. Ferrasse et al., "ECAE Targets with Sub-Micron Grain Structures Improve Sputtering Performance and Cost-of-Ownership", Semiconductor Manufacturing, Vol. 4, Issue 10, October 2003, pp. 76-92.					
	AL		R.Z. Valiev et al., "Bulk Nanostructured materials from severe plastic deformation", Progress in Materials Science, Vol. 45, 2000, pp. 103-189.					
	AM		R. Z. Valiev et al., "Plastic Deformation of alloys with submicron-grained structure", Materials Science and Engineering, A137(1991) pp. 35-40.					
	AN		V. M. Segal et al., "Processes of Plastic Structure Formation", Science and Engineering , 1994, published in Russia, Chapters 1, 3 and 4, with Statement in Accordance with 37 CFR 1.98(a)(3)(i).					
	AR		Lyman et al., Metals Handbook, pub. by American Society for Metals, 8 <sup>th</sup> edition, 1961, pp. 15 and 18.					
	AS							
	AT							
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